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FTD-TT-61-43

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FTD-217-61-161

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Translation of 1964-1966, Vols. 7-9
Order from: National Technical Information
Service
5285 Port Royal Road
Springfield, Virginia 22151
\$ 3.00 single issues

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Radio Fizika

Polarization of Radio Emission from
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Order from OTS or SLA \$2.60 61-28688

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii.
Radiofizika (USSR) 1958 [v. 1] no. 1, p. 20-33.

DESCRIPTORS: *Oscillators, Radiofrequency gener-
ators, Frequency, Measurement, Phase shifters,
*Noise (Radio), Electronic equipment.

Previous developments of fluctuation theory satis-
factorily explained only the wings of the spectral distri-
bution of the output power of radio frequency generators.
(Physics--Electronics, TT, v. 7, no. 7) (over)

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Order from CTS or SLA \$5.60

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DESCRIPTORS: Control systems, Stability, *Oscilla-
tions, Theory, Mathematical analysis, *Transforma-
tions (Mathematics), *Differential equations.

This study represents the first part of a systematic
exposition of certain general questions on the method
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(Author)

(Engineering--Electronic, TT, v. 6, no. 10)

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(DC-3901/33)

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DESCRIPTORS: *Cybernetics, *Networks, *Circuits,
Synthesis, *Computer logic

A description of a certain general method for the syn-
thesis of networks—for example, contact networks, con-
tact parallel-series networks, and networks of func-
tional elements—is given, and the previously known esti-
mates of the complexity of these networks are improved
upon. (Author)

(Mathematics--Computing Devices, TT, v. 11, no. 3)

TT-64-13109

- I. Lupanov, O. B.
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- IV. N64-10090, \$2.60 ph,
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- V. Jet Propulsion Lab.,
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(DC-4288)

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*FTD-TT-61-277

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ON THE THEORY OF THE COHETRON. [1962] 13p.
13 refs.

Order from OTS or SLA \$1.60

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Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii.
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DESCRIPTORS: *Electromagnetic waves, *Generators
Theory, Microwaves, Spins, Magnetic fields, Radio
waves, Ferrites, Particles, Thermodynamics, Excitation,
Very high frequency.

Certain theoretical questions connected with the modes
of operation of the cohutron (a generator of micro-
radiowaves making use of the spontaneous radiation of
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(Author)

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(Izvestiya Vuzov, Radiophysics - monthly)
Translation of 1959-1963, Vols. 2-6
and 1964, Vol. 7, No. 1, Vol. 8, No. 2
Order from: National Technical Information
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5285 Port Royal Road
Springfield, Virginia 22151
\$ 3.00 single issue

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Rabinovich, M. L.
DYNAMICS OF A SERVOMECHANISM WITH BACK-
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BLA 59-16561

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Translation of 1963-1964,
Vol. 6-7-8 No. 2
Order from: National Technical Information
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5285 Port Royal Road
Springfield, Virginia 22151
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INVESTIYA VUZ TEKHNLOGIYA TEKSTIL'NOY
 PROMISHLENNOSTI - bimonthly
 (Technology of the Textile Industry USSR)
 Translation begins with 1960,
 Vol. 1, No. 1
 Lag time: 10 months
 Order from: The Textile Institute
 10 Blackfriars Street
 Manchester M3 5DR
 1970: £ 12.00.0/year U.K.
 £ 18.00.0/year overseas
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 £ 22.50.0/year overseas
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Agency: U.S. Army Cold Regions Res. & Eng. Lab.
P.O. no.: 71-T-52 R-13394-D 1/7/71
Title: R Raschety grubopodkonnosti ledianogo
polirova pri stoianke gruzov na l'dy
(On the determination of the carrying
capacity of an ice cover for loads of
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Author: Panfilov, D.F.
Source: Izvestia Vysshikh Uchebnykh Zavedenii
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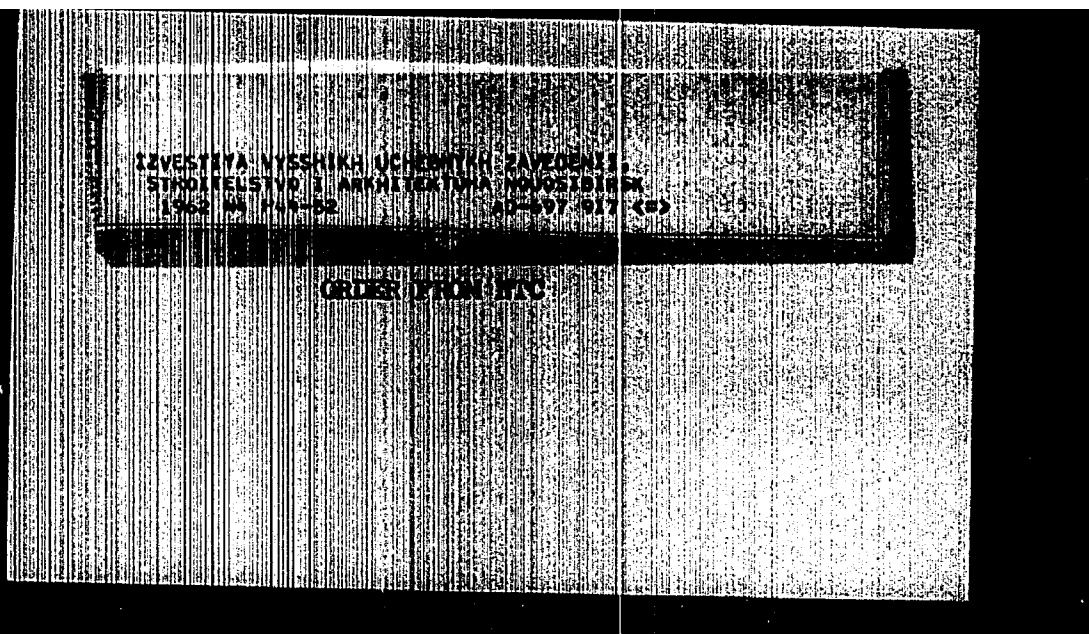
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Vapors, Permeability, *Glycols, *Artificial leather.

The optimum conditions for mixing glycol with carbox-
ylic-containing polymers in latexes, resulting in the
formation of durable films, were found. It was indi-
cated that the vapor-permeability of films, like their
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